

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020624\
 Data File : VY017267.D
 Acq On : 06 Feb 2024 16:13
 Operator : SY/MD
 Sample : P1364-02
 Misc : 4.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-2

Quant Time: Feb 07 00:09:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

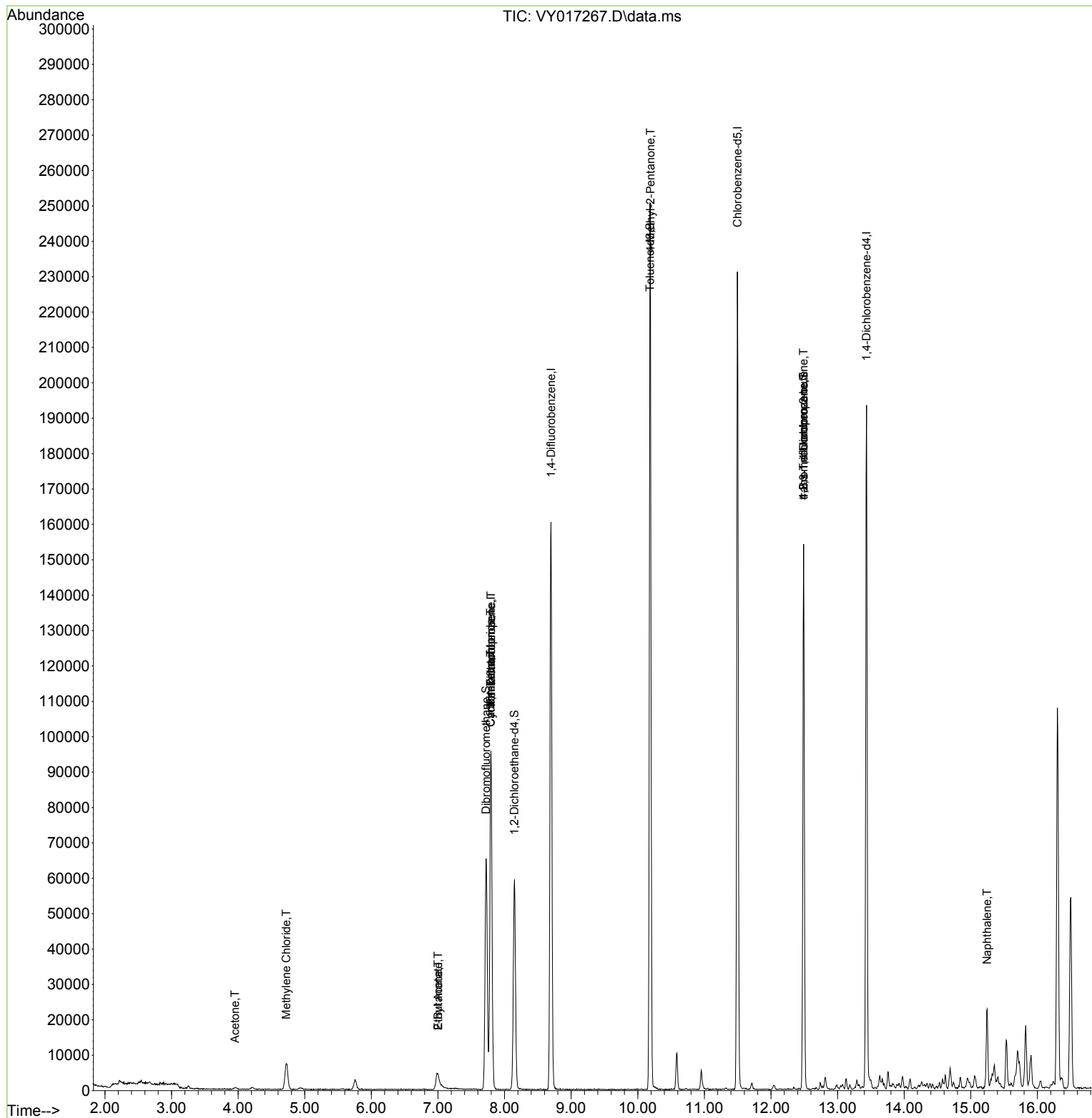
Internal Standards						
1) Pentafluorobenzene	7.795	168	72260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	138211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	122906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	47833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	44620	69.122	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.240%	
35) Dibromofluoromethane	7.722	113	46749	62.645	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 125.300%	
50) Toluene-d8	10.185	98	159924	58.860	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 117.720%	
62) 4-Bromofluorobenzene	12.489	95	45475	51.092	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.180%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	425	Below Cal	#	75
16) Acetone	3.954	43	1091	5.750	ug/l	90
20) Methylene Chloride	4.723	84	5946	4.461	ug/l	91
25) 2-Butanone	7.003	43	698	2.767	ug/l #	48
31) Cyclohexane	7.789	56	1697	1.304	ug/l #	23
36) 1,1-Dichloropropene	7.795	75	6491	5.043	ug/l #	49
37) Ethyl Acetate	7.003	43	698	1.169	ug/l #	87
38) Carbon Tetrachloride	7.789	117	7511	6.094	ug/l #	16
51) 4-Methyl-2-Pentanone	10.191	43	761	1.343	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	24855	56.298	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	24855	116.979	ug/l #	12
95) Naphthalene	15.245	128	18740	17.063	ug/l	98

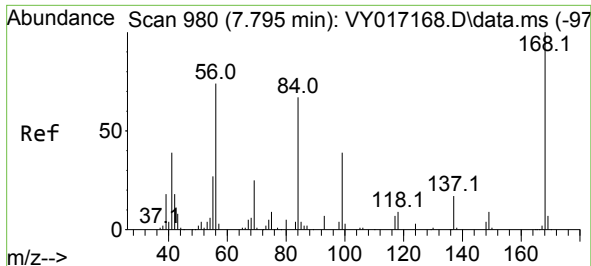
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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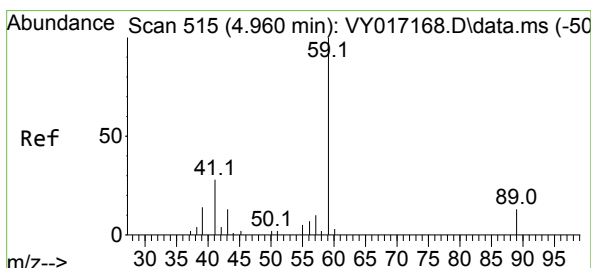
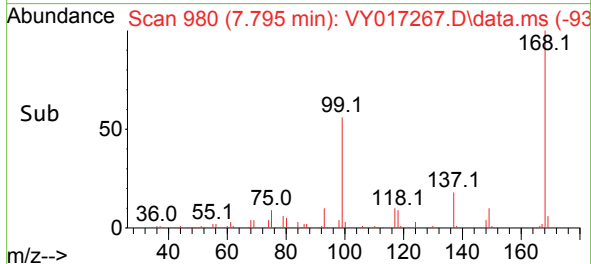
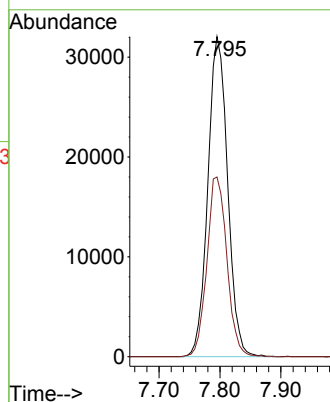
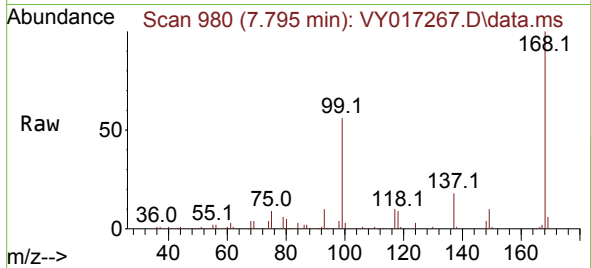




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY017267.D
Acq: 06 Feb 2024 16:13

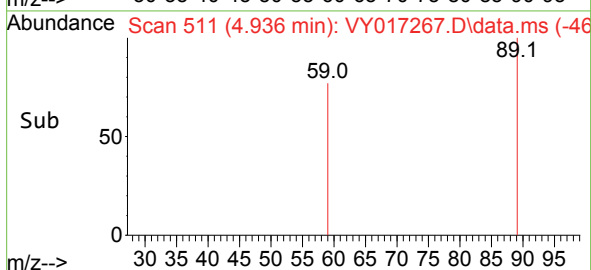
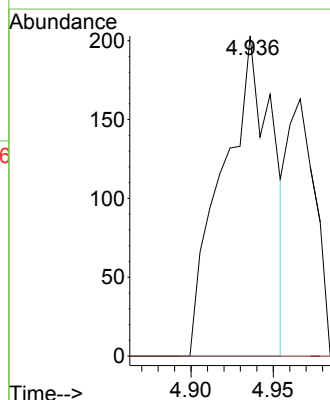
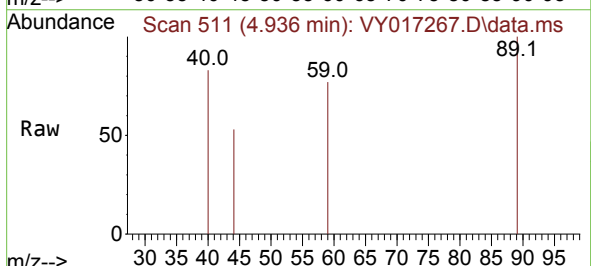
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

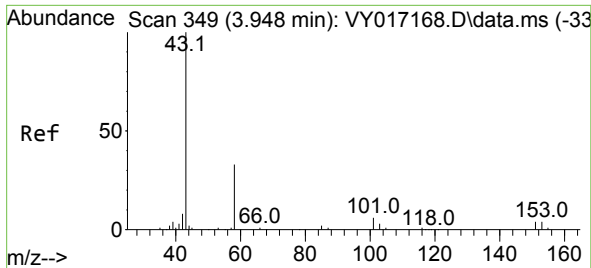
Tgt Ion:168 Resp: 72260
Ion Ratio Lower Upper
168 100
99 56.1 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY017267.D
Acq: 06 Feb 2024 16:13

Tgt Ion: 59 Resp: 425
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 5.750 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.007 min

Lab File: VY017267.D

Acq: 06 Feb 2024 16:13

Instrument :

MSVOA_Y

ClientSampleId :

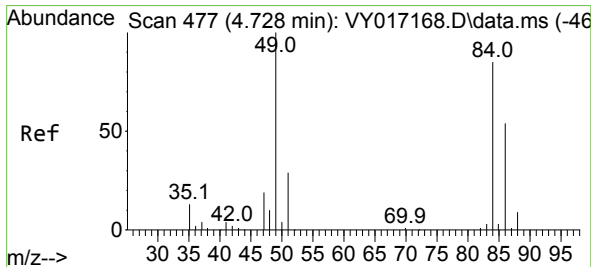
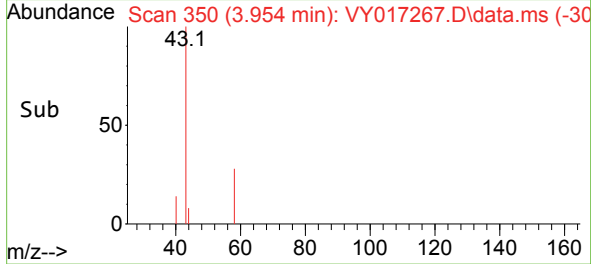
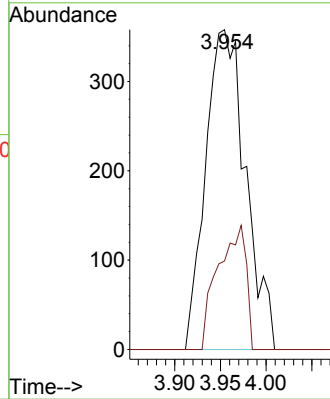
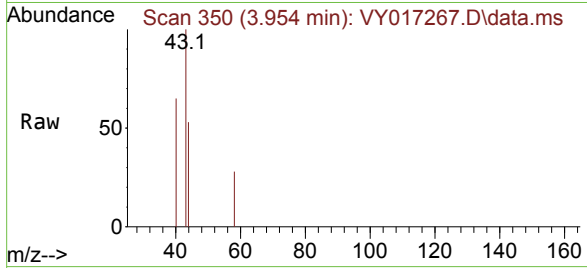
COMP-2

Tgt Ion: 43 Resp: 1091

Ion Ratio Lower Upper

43 100

58 27.7 26.6 39.8



#20

Methylene Chloride

Concen: 4.461 ug/l

RT: 4.723 min Scan# 476

Delta R.T. -0.005 min

Lab File: VY017267.D

Acq: 06 Feb 2024 16:13

Tgt Ion: 84 Resp: 5946

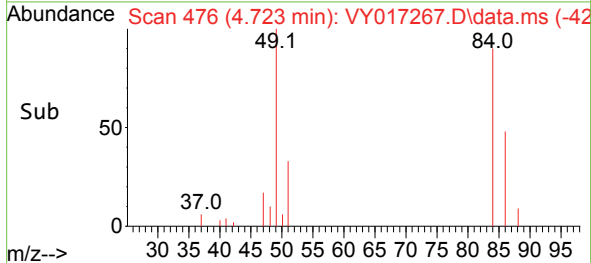
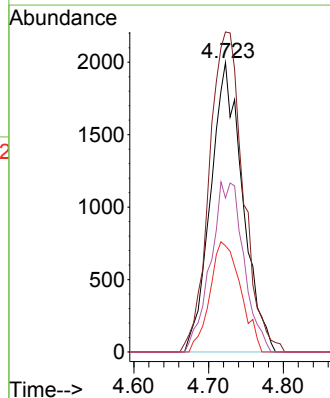
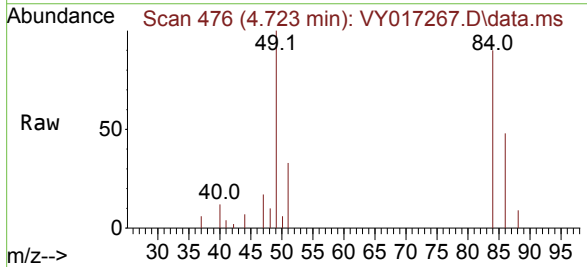
Ion Ratio Lower Upper

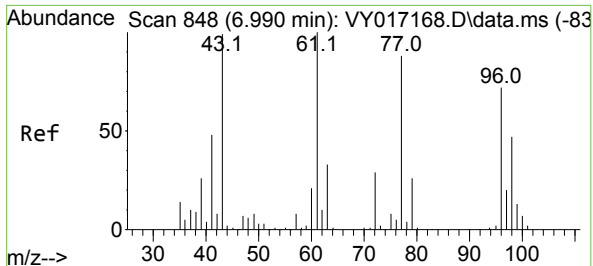
84 100

49 110.6 95.2 142.8

51 36.7 29.9 44.9

86 53.2 52.2 78.4





#25

2-Butanone

Concen: 2.767 ug/l

RT: 7.003 min Scan# 81

Delta R.T. 0.013 min

Lab File: VY017267.D

Acq: 06 Feb 2024 16:13

Instrument :

MSVOA_Y

ClientSampleId :

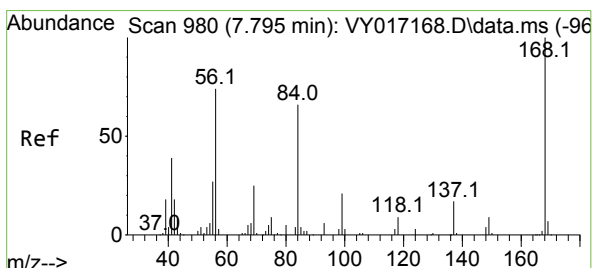
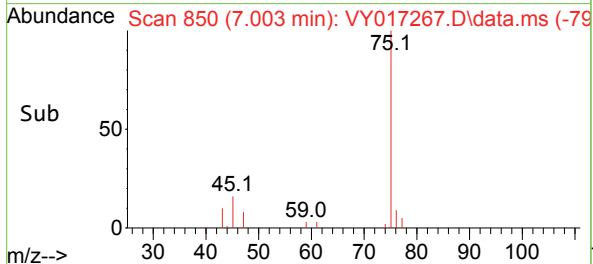
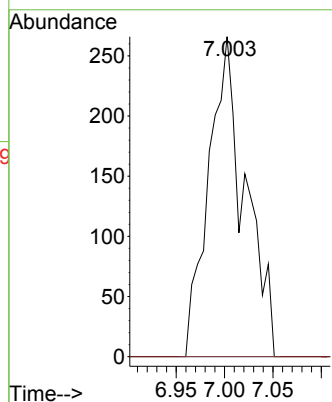
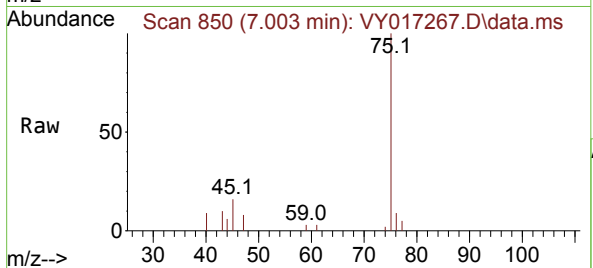
COMP-2

Tgt Ion: 43 Resp: 698

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.304 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.006 min

Lab File: VY017267.D

Acq: 06 Feb 2024 16:13

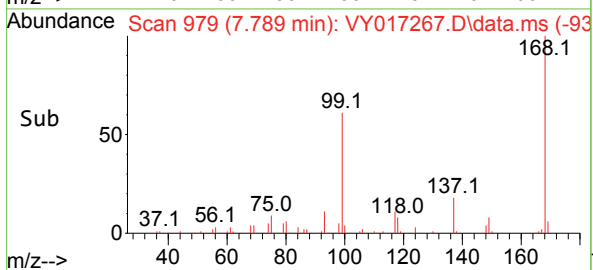
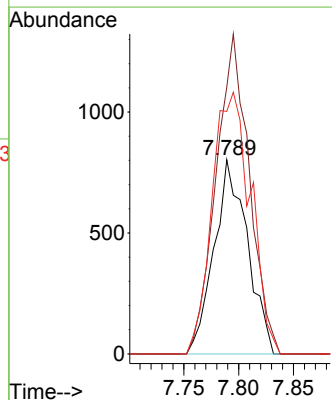
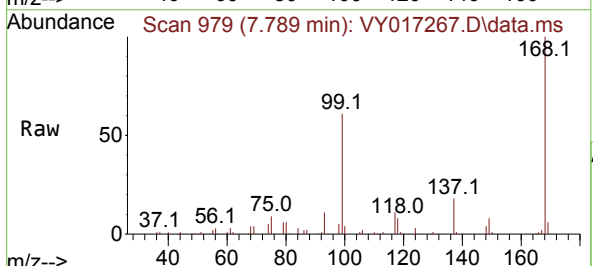
Tgt Ion: 56 Resp: 1697

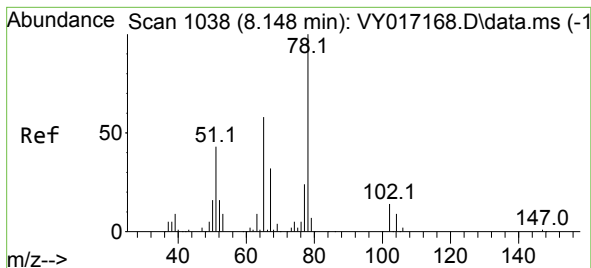
Ion Ratio Lower Upper

56 100

69 137.4 27.0 40.6#

84 124.9 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 69.122 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY017267.D

Acq: 06 Feb 2024 16:13

Instrument :

MSVOA_Y

ClientSampleId :

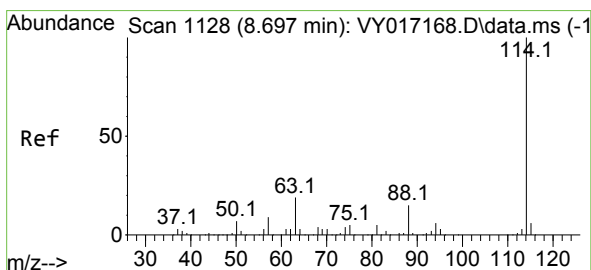
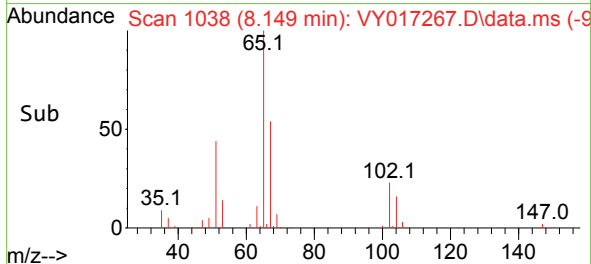
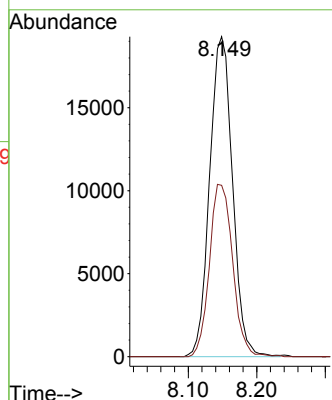
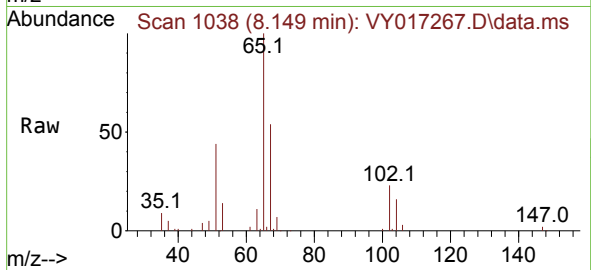
COMP-2

Tgt Ion: 65 Resp: 44620

Ion Ratio Lower Upper

65 100

67 54.8 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY017267.D

Acq: 06 Feb 2024 16:13

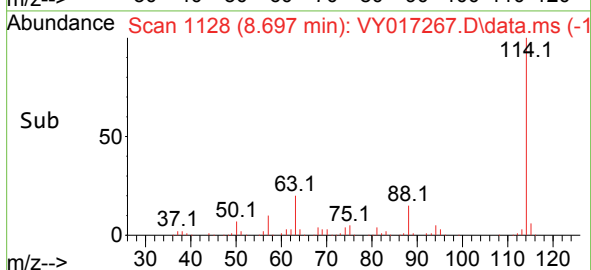
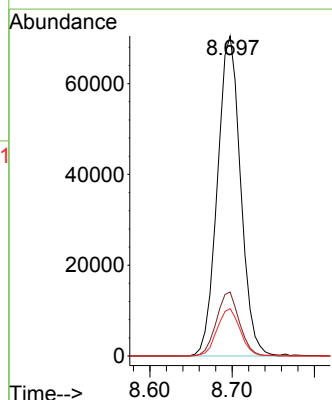
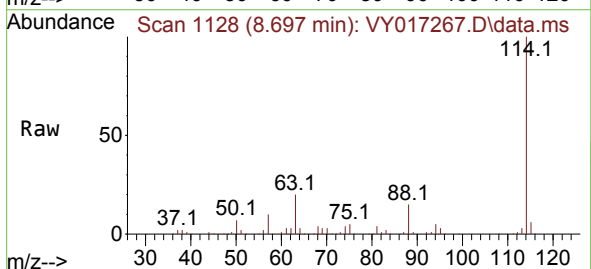
Tgt Ion: 114 Resp: 138211

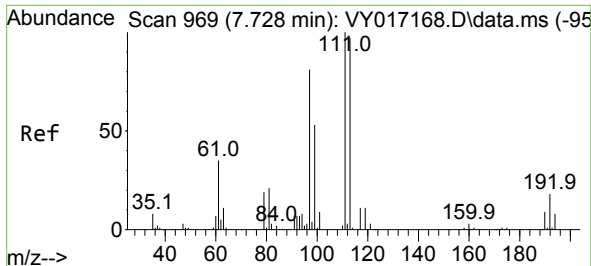
Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.4

88 14.8 0.0 29.0

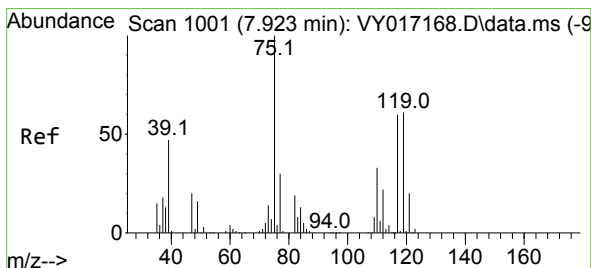
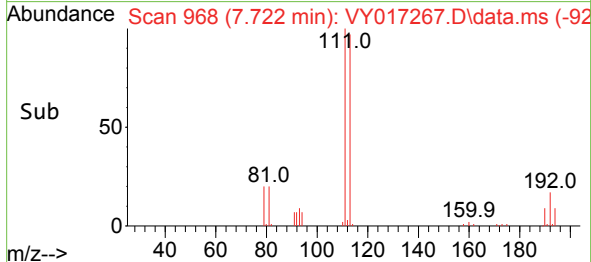
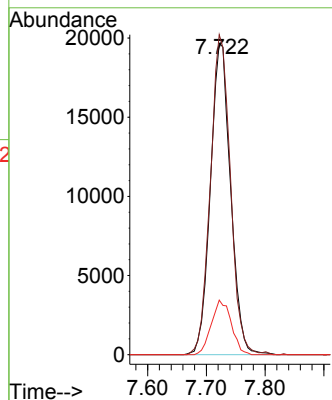
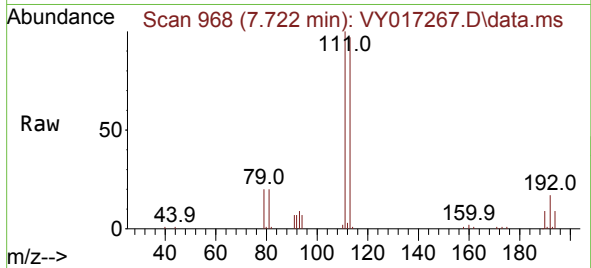




#35
Dibromofluoromethane
Concen: 62.645 ug/l
RT: 7.722 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017267.D
Acq: 06 Feb 2024 16:13

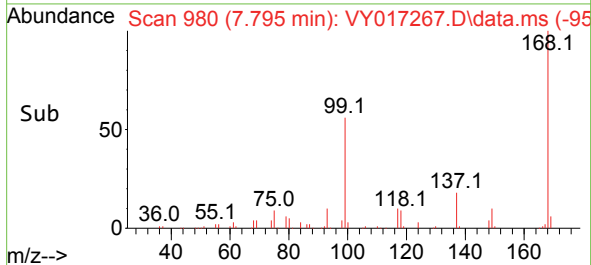
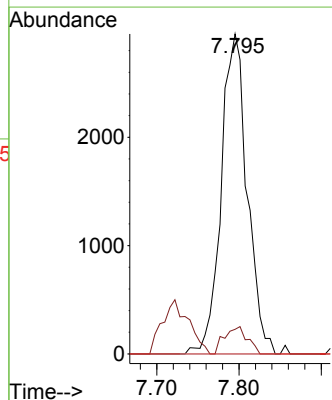
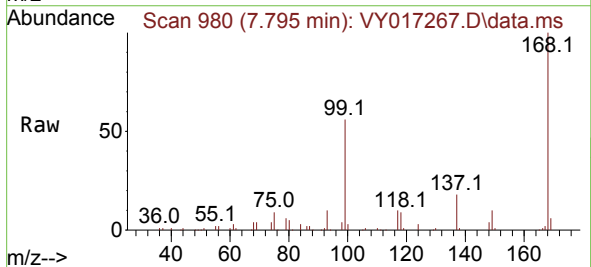
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

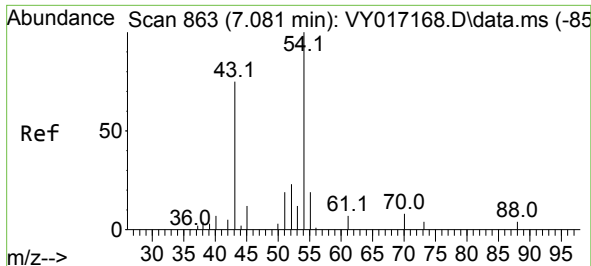
Tgt Ion:113 Resp: 46749
Ion Ratio Lower Upper
113 100
111 102.5 83.8 125.6
192 17.4 14.5 21.7



#36
1,1-Dichloropropene
Concen: 5.043 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY017267.D
Acq: 06 Feb 2024 16:13

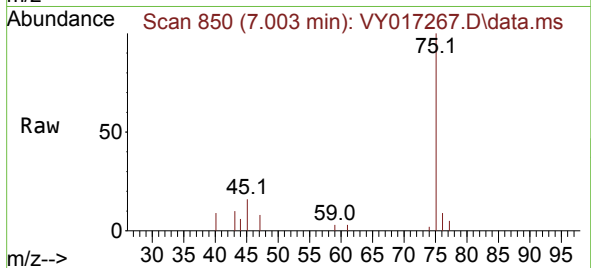
Tgt Ion: 75 Resp: 6491
Ion Ratio Lower Upper
75 100
110 7.5 17.4 52.3#
77 0.0 24.7 37.1#



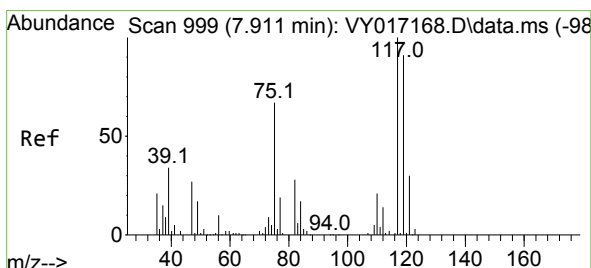
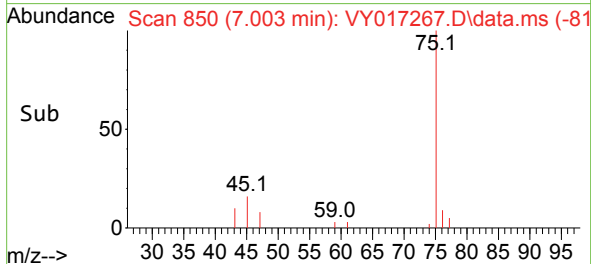
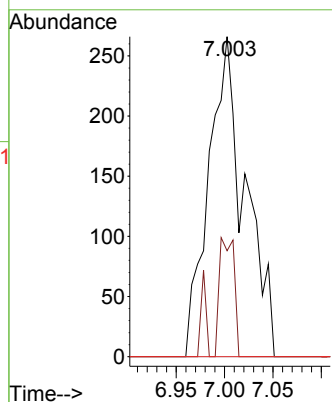


#37
Ethyl Acetate
Concen: 1.169 ug/l
RT: 7.003 min Scan# 81
Delta R.T. -0.079 min
Lab File: VY017267.D
Acq: 06 Feb 2024 16:13

Instrument :
MSVOA_Y
ClientSampleId :
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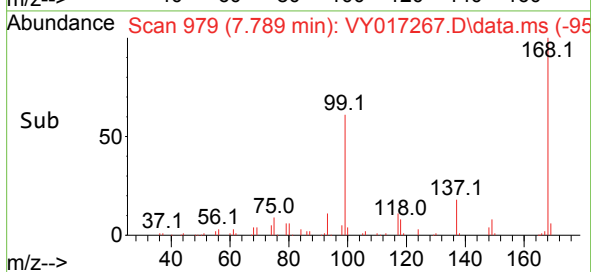
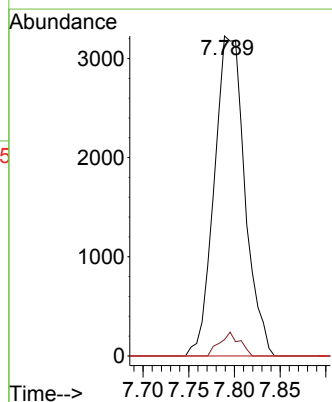
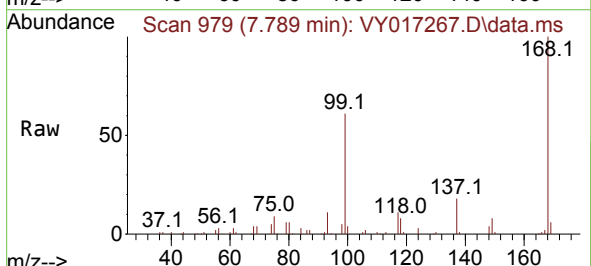


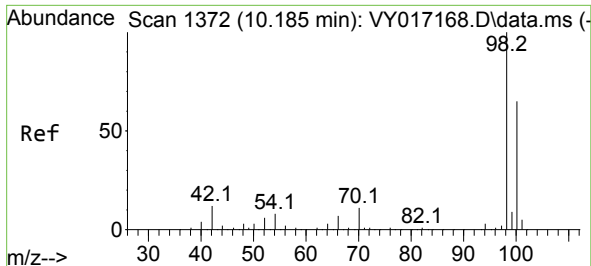
Tgt Ion: 43 Resp: 698
Ion Ratio Lower Upper
43 100
61 14.9 11.0 16.6
70 0.0 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 6.094 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.121 min
Lab File: VY017267.D
Acq: 06 Feb 2024 16:13

Tgt Ion: 117 Resp: 7511
Ion Ratio Lower Upper
117 100
119 5.1 76.0 114.0#
121 0.0 24.2 36.2#

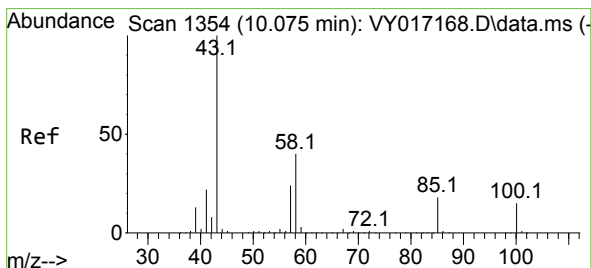
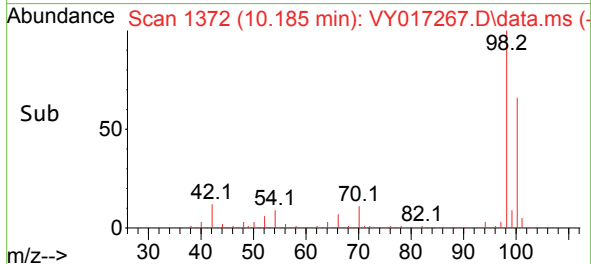
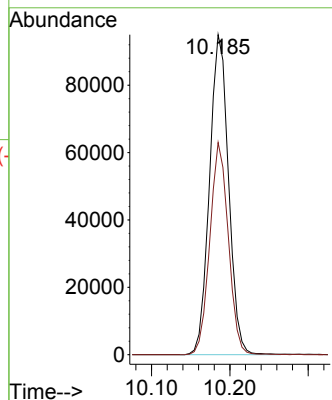
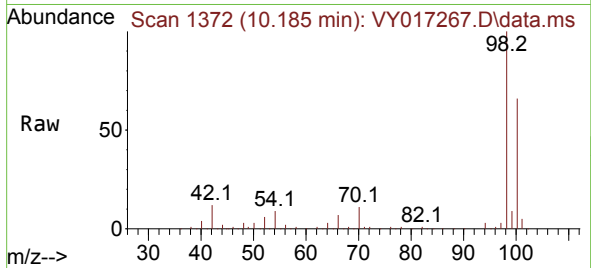




#50
Toluene-d8
Concen: 58.860 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017267.D
Acq: 06 Feb 2024 16:13

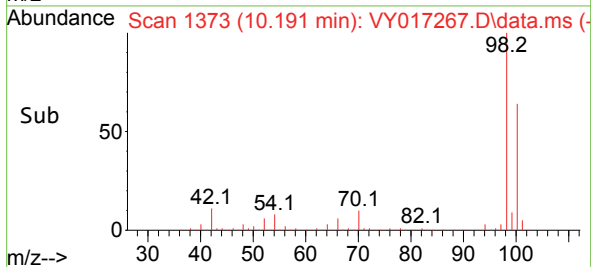
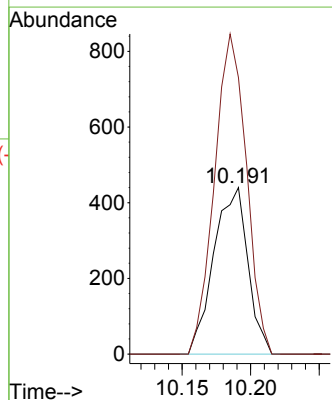
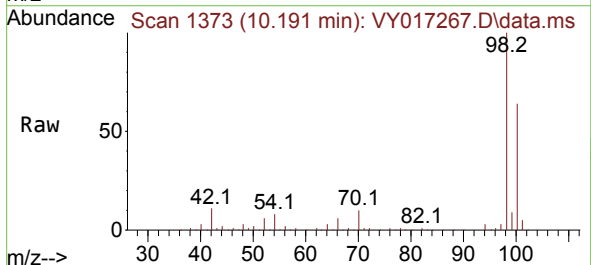
Instrument :
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COMP-2

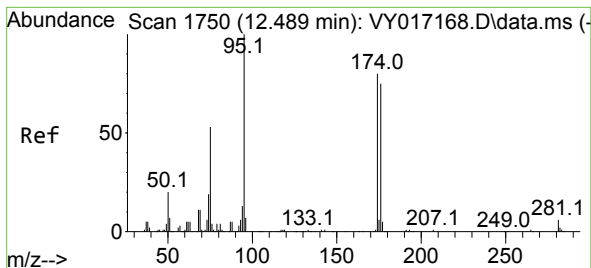
Tgt Ion: 98 Resp: 159924
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.343 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.116 min
Lab File: VY017267.D
Acq: 06 Feb 2024 16:13

Tgt Ion: 43 Resp: 761
Ion Ratio Lower Upper
43 100
58 180.3 32.2 48.2#

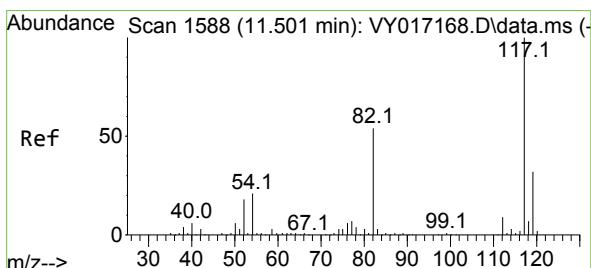
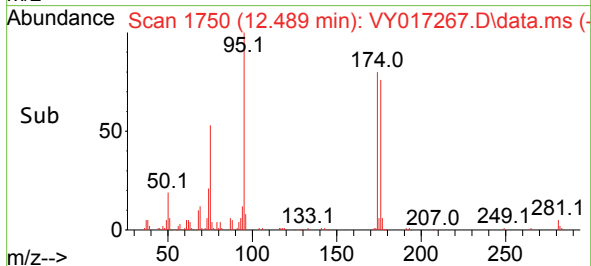
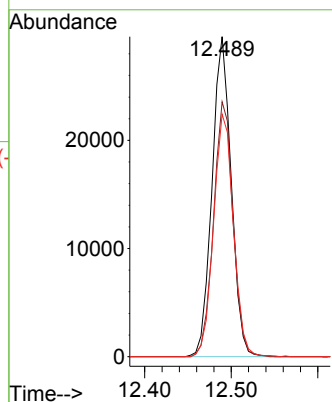
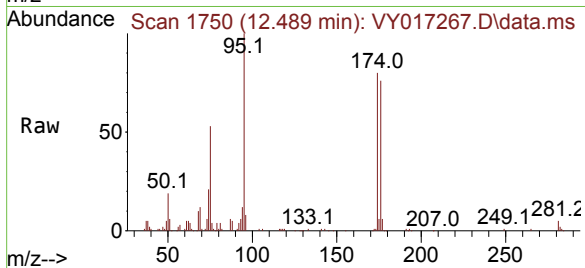




#62
4-Bromofluorobenzene
Concen: 51.092 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017267.D
Acq: 06 Feb 2024 16:13

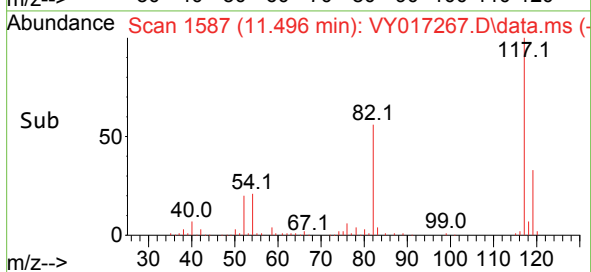
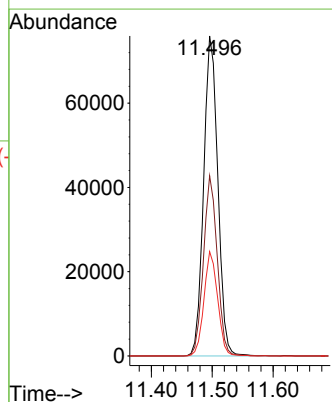
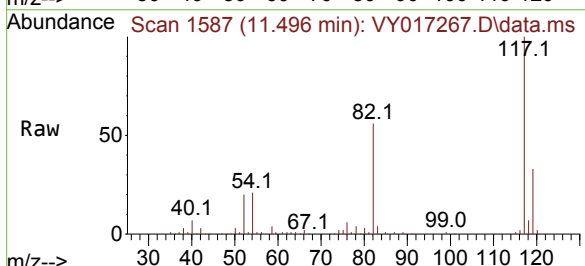
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

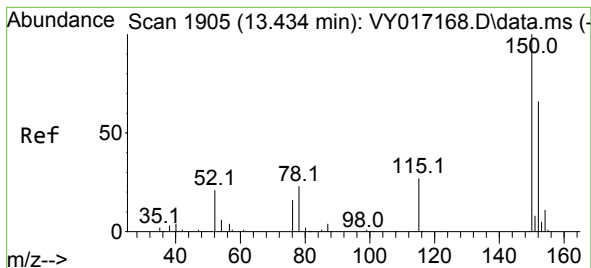
Tgt Ion: 95 Resp: 45475
Ion Ratio Lower Upper
95 100
174 80.6 0.0 160.0
176 78.5 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017267.D
Acq: 06 Feb 2024 16:13

Tgt Ion: 117 Resp: 122906
Ion Ratio Lower Upper
117 100
82 56.3 43.8 65.8
119 32.6 26.5 39.7

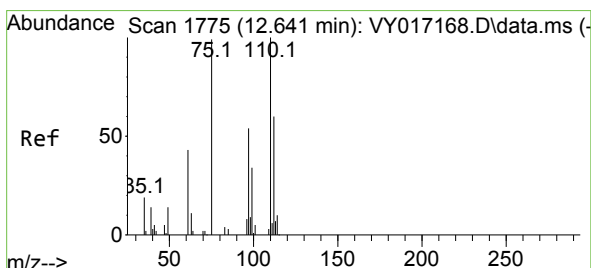
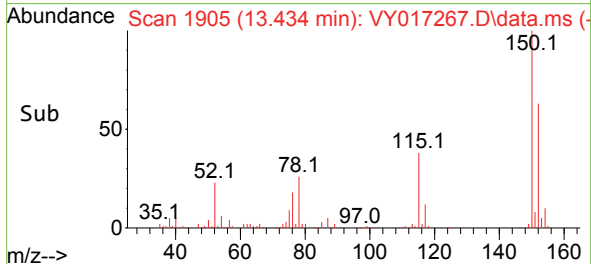
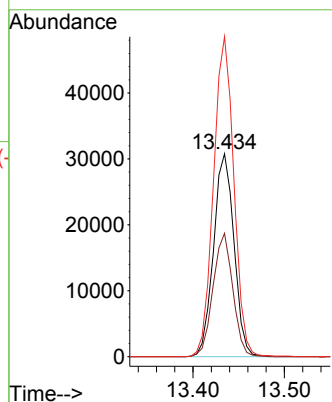
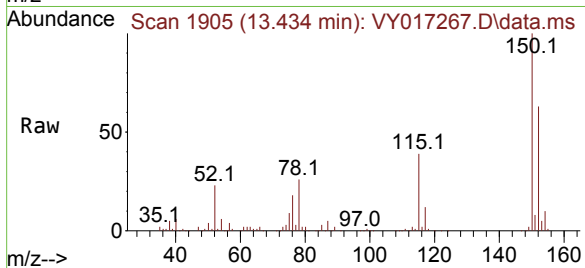




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.000 min
 Lab File: VY017267.D
 Acq: 06 Feb 2024 16:13

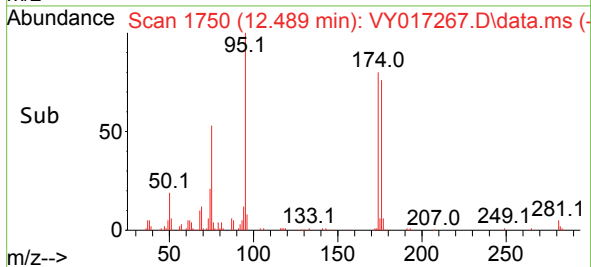
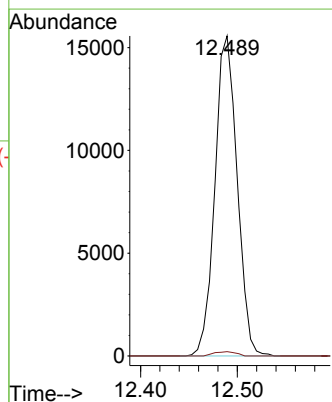
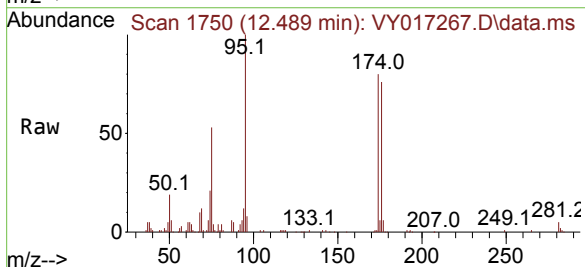
Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-2

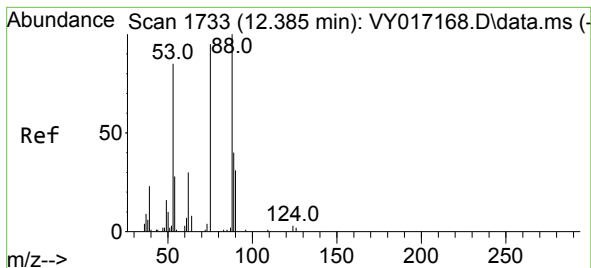
Tgt Ion:152 Resp: 47833
 Ion Ratio Lower Upper
 152 100
 115 58.8 30.0 90.0
 150 156.8 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 56.298 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.152 min
 Lab File: VY017267.D
 Acq: 06 Feb 2024 16:13

Tgt Ion: 75 Resp: 24855
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

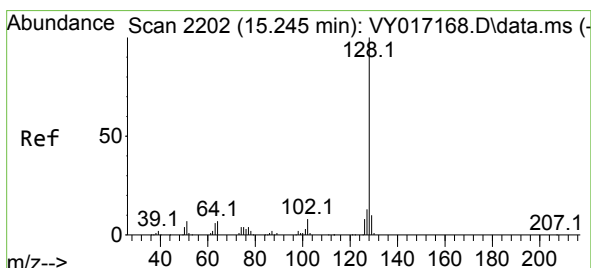
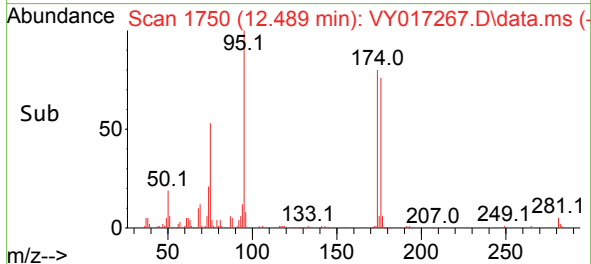
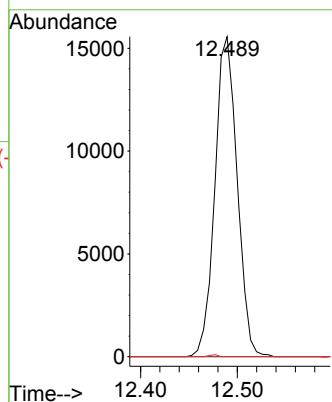
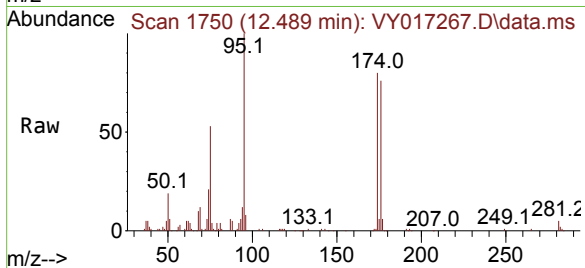




#81
trans-1,4-Dichloro-2-butene
Concen: 116.979 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY017267.D
Acq: 06 Feb 2024 16:13

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Tgt Ion: 75 Resp: 24855
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.2 36.5 54.7#



#95
Naphthalene
Concen: 17.063 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY017267.D
Acq: 06 Feb 2024 16:13

Tgt Ion:128 Resp: 18740
Ion Ratio Lower Upper
128 100
127 12.2 10.2 15.4
129 11.6 8.6 12.8

